

CLAIMS

1 1. Apparatus for notifying administrators of selected events generated by an event
2 service in a distributed computer system having a plurality of host computers,
3 comprising:
4 a federated bean running in each host computer system, the federated
5 bean including:
6 an event monitor that monitors the event service to detect events
7 generated by the event service,
8 a category list of selected events and
9 a message generator that sends human-readable messages to the
10 administrators when a detected event matches an event in the category list.

11 2. The apparatus of claim 1 wherein the message generator comprises a
12 mechanism for composing and forwarding e-mail messages to the
13 administrators.

14 3. The apparatus of claim 1 wherein the distributed computer system has a logging
15 service that maintains a log of events generated by the event service and
16 wherein the federated bean comprises a log monitor that periodically scans the
17 log and controls the message generator to send human-readable messages to
18 the administrators.

19 4. The apparatus of claim 1 wherein the category list comprises a plurality of
20 categories, each of the categories having a list of users and a list of event topics
21 associated therewith.

22 5. The apparatus of claim 4 wherein the category list has a list of log message
23 topics associated therewith.

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- 1 6. The apparatus of claim 1 wherein the federated bean comprises a configuration
2 notifier that generates configuration change events and forwards the generated
3 configuration change events to the event service when any changes are made to
4 the configuration list.
- 1 7. The apparatus of claim 6 wherein the federated bean further comprises a
2 configuration monitor that receives configuration change events from the event
3 service and updates the configuration list in response thereto.
- 1 8. The apparatus of claim 1 wherein the federated bean comprises a configuration
2 notifier operable during startup of the bean for requesting configuration
3 information from another federated bean in the distributed computer system.
- 1 9. The apparatus of claim 8 wherein the federated bean has an interface including a
2 method for receiving configuration information and the another federated bean
3 calls the method in order to transfer configuration information to the federated
4 bean.
- 1 10. A method for notifying administrators of selected events generated by an event
2 service in a distributed computer system having a plurality of host computers,
3 comprising:
 - 4 (a) running in each host computer system, a federated bean that includes a
5 category list of selected events;
 - 6 (b) using the federated bean to monitor the event service to detect events
7 generated by the event service; and
 - 8 (c) using the federated bean to generate and send human-readable
9 messages to the administrators when a detected event matches an event
10 in the category list.

1 11. The method of claim 10 wherein step (c) comprises using the federated bean to
2 compose and forward e-mail messages to the administrators.

1 12. The method of claim 10 wherein the distributed computer system has a logging
2 service that maintains a log of events generated by the event service and
3 wherein the method further comprises:
4 (d) using the federated bean to periodically scan the log.

1 13. The method of claim 10 wherein the category list comprises a plurality of
2 categories, each of the categories having a list of users and a list of event topics
3 associated therewith.

1 14. The method of claim 13 wherein the category list has a list of log message topics
2 associated therewith.

1 15. The method of claim 10 further comprising:
2 (e) using the federated bean to generate configuration change events and to
3 forward the generated configuration change events to the event service
4 when any changes are made to the configuration list.

1 16. The method of claim 15 further comprising:
2 (f) using the federated bean to receive configuration change events from the
3 event service and to update the configuration list in response thereto.

1 17. The method of claim 10 further comprising:
2 (g) using the federated bean during startup of the bean to request
3 configuration information from another federated bean in the distributed
4 computer system.

- 1 18. The method of claim 17 wherein the federated bean has an interface including a
2 method for receiving configuration information and the method further comprises:
3 (h) using the other federated bean to call the method in order to transfer
4 configuration information to the federated bean.
- 1 19. A computer program product for notifying administrators of selected events
2 generated by an event service in a distributed computer system having a plurality
3 of host computers, the computer program product comprising a computer usable
4 medium having computer readable program code thereon, including:
5 federated bean program code that can be run in each host computer
6 system which maintains a category list of selected events;
7 program code that monitors the event service to detect events generated
8 by the event service; and
9 program code that generates and sends human-readable messages to the
0 administrators when a detected event matches an event in the category list.
- 1 20. The computer program product of claim 19 wherein the program code that
2 generates and sends human-readable messages to the administrators comprises
3 program code that composes and forwards e-mail messages to the
4 administrators.
- 1 21. The computer program product of claim 19 wherein the distributed computer
2 system has a logging service that maintains a log of events generated by the
3 event service and wherein the computer program product further comprises
4 program code that periodically scans the log and sends human-readable
5 messages to the administrators when selected log messages are present.

1 22. A computer data signal embodied in a carrier wave for notifying administrators of
2 selected events generated by an event service in a distributed computer system
3 having a plurality of host computers, the computer data signal comprising:
4 federated bean program code that can be run in each host computer
5 system which maintains a category list of selected events;
6 program code that monitors the event service to detect events generated
7 by the event service; and
8 program code that generates and sends human-readable messages to the
9 administrators when a detected event matches an event in the category list.

10 23. Apparatus for notifying administrators of selected events generated by an event
11 service in a distributed computer system having a plurality of host computers,
12 comprising:
13 federated bean means for maintaining a category list of selected events in
14 each host computer system;
15 means for monitoring the event service to detect events generated by the
16 event service; and
17 means for sending human-readable messages to the administrators when
18 a detected event matches an event in the category list.

19 24. The apparatus of claim 23 wherein the message sending means comprises
20 means for composing and forwarding e-mail messages to the administrators.

21 25. The apparatus of claim 23 wherein the distributed computer system has a
22 logging service that maintains a log of events generated by the event service and
23 wherein the federated bean means comprises means for periodically scanning
24 the log and controlling the message sending means to send human-readable
25 messages to the administrators.